

=> b hcap
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FILE COVERS 1907 - 10 Dec 2007 VOL 147 ISS 25
FILE LAST UPDATED: 7 Dec 2007 (20071207/ED)

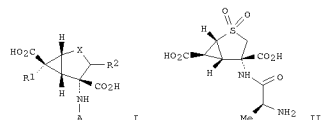
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This file contains CAS Registry Numbers for easy and accurate substance identification.

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L3 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2007 ACS on STN (Continued)
 AN 2003:991499 HCAPLUS
 DN 140:42463
 TI Preparation of prodrugs of excitatory amino acids
 IN Moher, Eric David; Monn, James Allen; Pedregal-Tercero, Concepcion
 PA Eli Lilly and Company, USA; Collado, Cano Ivan; Blanco-Urgoiti, Jamie
 Gonzalo
 SO PCT Int. Appl., 172 pp.
 CUDEM: PFX32
 DT Patent
 LA English
 FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO2003104217	A2	20031218	2003WO-US15405	20030606
WO2003104217	A3	20040226		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LJ, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, ME, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TE, UA, US, US, UE, VC, VN, YU, ZA, ZM, ZW			
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AU2003232146	A1	20031222	2003AU-032146	20030606
EP---1517915	A2	20050330	2003EP-0757266	20030606
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK			
JP200603807	T	20060202	2004JP-0511287	20030606
BR2003011558	A	20070427	2003BR-0011558	20030606
CN-101084236	A	20071205	2003CN-0813511	20030606
ZA2004009553	A	20060927	2004ZA-0009553	20041125
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MX2004PA12518	A	20050217	2004MX-PA12518	20041210
NO2005000122	A	20050110	2005NO-0000122	20050110
PRAI 2002EP-0380120	A	20020611		
2002EP-0380121	A	20020611		
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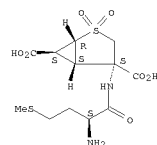


AB The invention relates to synthetic excitatory amino acid prodrugs for the treatment of neurol. disorders and psychiatric disorders. Bicyclic amino acids I (A is H-Q1-10, where Q is aminoacyl; X is O, S, SO, SO2, or substituted methylene; R1 is H or F; R2 is H, F, or OH) or their pharmaceutically-acceptable salts are claimed. Thus, prodrug II.HCl was prepared via peptide coupling reaction and shown to exhibit comparable concentration in rat plasma to that of the non-prodrug form.

IT 635318-26-2P 635318-55-7P 635318-56-8P 635318-57-9P

L3 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2007 ACS on STN (Continued)
 RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (prepn. of prodrugs of excitatory amino acids)
 RN 635318-26-2 HCAPLUS
 CN 2-Thiabicyclo[3.1.0]hexane-4,6-dicarboxylic acid, 4-[[[(2S)-2-amino-4-(methylthio)-1-oxobutyl]amino]-, 2,2-dioxide, monohydrochloride, (1R,4S,5S,6S)]- (9CI) (CA INDEX NAME)

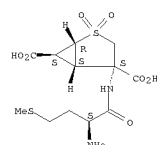
Absolute stereochemistry. Rotation (+).



● HCl

RN 635318-55-7 HCAPLUS
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Absolute stereochemistry. Rotation (+).



RN 635318-56-8 HCAPLUS
 CN 2-Thiabicyclo[3.1.0]hexane-4,6-dicarboxylic acid, 4-[[[(2S)-2-amino-4-(methylthio)-1-oxobutyl]amino]-, 2,2-dioxide, (1R,4S,5S,6S)]-, mono(4-methylbenzenesulfonate) (9CI) (CA INDEX NAME)

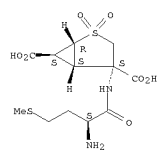
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CRN 635318-55-7

CMF C12 H18 N2 O7 S2

Absolute stereochemistry. Rotation (+).

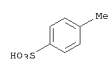
L3 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2007 ACS on STN (Continued)



CM 2

CRN 104-15-4

CMF C7 H8 O3 S



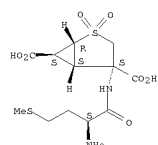
RN 635318-57-9 HCAPLUS
 CN 2-Thiabicyclo[3.1.0]hexane-4,6-dicarboxylic acid, 4-[[[(2S)-2-amino-4-(methylthio)-1-oxobutyl]amino]-, 2,2-dioxide, (1R,4S,5S,6S)]-, monomethanesulfonate (9CI) (CA INDEX NAME)

CM 1

CRN 635318-55-7

CMF C12 H18 N2 O7 S2

Absolute stereochemistry. Rotation (+).



CM 2

CRN 75-75-2

CMF C H4 O3 S



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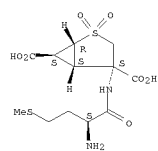
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CA INDEXING COPYRIGHT (C) 2007 AMERICAN CHEMICAL SOCIETY (ACS)

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L5 ANSWER 1 OF 1 USPATFULL on STN
 AN 2005:55533 USPATFULL
 TI Prodrugs of excitatory amino acids
 IN Moher, Eric David, Greenwood, IN, UNITED STATES
 Monn, James Allen, Indianapolis, IN, UNITED STATES
 Pedregal-Tercero, Concepcion, Madrid, SPAIN
 PA ELI LILLY AND COMPANY, INDIANAPOLIS, IN, UNITED STATES (U.S. corporation)
 PI US-2005022231 A1 20051006
 AI 2003US-000516559 A1 20030606 (10)
 2003WO-US00015405 20030606
 20041130 PCT 371 date
 PRAI 2002EP-000380120 20020611
 2003EP-0002380121 20020611
 2003US-000415936P 20021003 (60)
 2003US-000415937P 20021003 (60)
 DT Utility
 FS APPLICATION
 LREP ELI LILLY AND COMPANY, PATENT DIVISION, P.O. BOX 6288, INDIANAPOLIS, IN, 46206-6288, US
 CLMN Number of Claims: 38
 ECL Exemplary Claim: 1-37
 DRWN No Drawings
 LN.CNT 4645
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.
 AB This invention relates to synthetic excitatory amino acid prodrugs and processes for their preparation. The invention further relates to methods of using, and pharmaceutical compositions comprising, the compounds for the treatment of neurological disorders and psychiatric disorders.

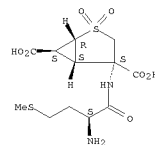
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
 IT 635318-26-2P 635318-55-7P 635318-56-8P
 635318-57-9P
 (preparation of prodrugs of excitatory amino acids)
 RN 635318-56-2 USPATFULL
 CN 2-Thiabicyclo[3.1.0]hexane-4,6-dicarboxylic acid, 4-[[[(2S)-2-amino-4-(methylthio)-1-oxobutyl]amino]-, 2,2-dioxide, monohydrochloride, (1R,4S,5S,6S)- (9CI) (CA INDEX NAME)
 Absolute stereochemistry. Rotation (+).



● HCl

RN 635318-55-7 USPATFULL
 CN 2-Thiabicyclo[3.1.0]hexane-4,6-dicarboxylic acid, 4-[[[(2S)-2-amino-4-(methylthio)-1-oxobutyl]amino]-, 2,2-dioxide, (1R,4S,5S,6S)- (CA INDEX NAME)
 Absolute stereochemistry. Rotation (+).

L5 ANSWER 1 OF 1 USPATFULL on STN (Continued)

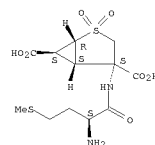


RN 635318-56-8 USPATFULL
 CN 2-Thiabicyclo[3.1.0]hexane-4,6-dicarboxylic acid, 4-[[[(2S)-2-amino-4-(methylthio)-1-oxobutyl]amino]-, 2,2-dioxide, (1R,4S,5S,6S)-, mono(4-methylbenzenesulfonate) (9CI) (CA INDEX NAME)

CM 1

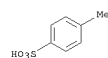
CRN 635318-55-7
 CMF C12 H18 N2 O7 S2

Absolute stereochemistry. Rotation (+).



CM 2

CRN 104-15-4
 CMF C7 H8 O3 S



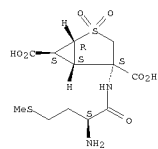
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 CN 2-Thiabicyclo[3.1.0]hexane-4,6-dicarboxylic acid, 4-[[[(2S)-2-amino-4-(methylthio)-1-oxobutyl]amino]-, 2,2-dioxide, (1R,4S,5S,6S)-, monomethanesulfonate (9CI) (CA INDEX NAME)

CM 1

CRN 635318-55-7
 CMF C12 H18 N2 O7 S2

Absolute stereochemistry. Rotation (+).

L5 ANSWER 1 OF 1 USPATFULL on STN (Continued)



CM 2

CRN 75-75-2
 CMF C H4 O3 S



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L2 5 L1 AND C3-SC4/ES

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L3 1 L2

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FILE 'EMBASE' ENTERED AT 14:48:53 ON 10 DEC 2007

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FILE 'MEDLINE' ENTERED AT 14:48:57 ON 10 DEC 2007

L8 0 L2

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